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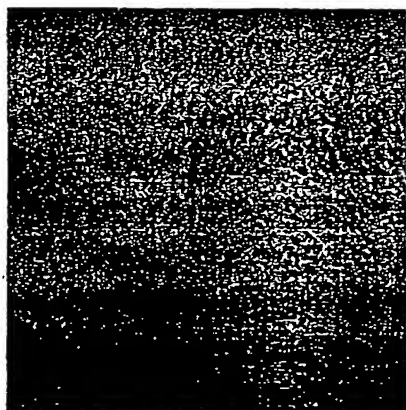


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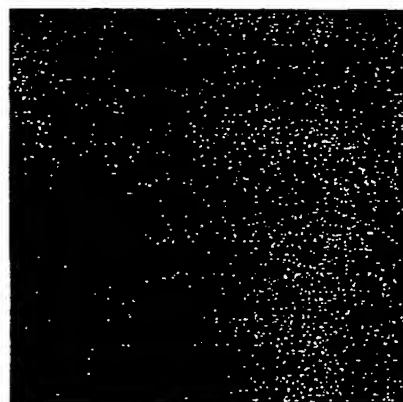
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(57) Abstract: The invention describes antibiotics, muscle relaxants and plant extracts that have neuromuscular blockade effects as well as methods of use thereof. These compounds can be used in the same clinical settings as botulinum toxin and may be used topically, thereby providing an advantage over botulinum toxin in terms of application and ease of use. The compounds can be used in pharmaceutical compositions for the treatment of involuntary muscle spasms and neuropathic pain and in cosmetic compositions for the treatment of facial wrinkles. Also provided are kits useful for therapeutic and/or cosmetic applications.

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